

Claims

1. An erythropoietin (EPO) solution preparation comprising:

a therapeutically effective amount of EPO; and

5 an albumin-free stabilizing agent which is selected from hydroxyethyl starch (HES) and a mixture of HES and an amino acid.

2. The EPO solution preparation according to claim 1, wherein the HES is contained in a concentration of 0.1% to 10%.

10 3. The EPO solution preparation according to claim 1, wherein the amino acid is selected from among glutamic acid, glutamine, glycine or salts thereof, and mixtures thereof.

4. The EPO solution preparation according to claim 1, further comprising a non-ionic surfactant and a tonicity agent.

15 5. The EPO solution preparation according to claim 4, wherein the non-ionic surfactant is selected from among polyoxyethylene alkyl ethers, polyoxyethylene fatty acid esters, polyoxyethylene alkyl phenol ethers, sorbitan fatty acid esters, polyoxyethylene sorbitan fatty acid esters,
20 sucrose fatty acid esters and polyoxyethylene-polyoxypropylene copolymers.

6. The EPO solution preparation according to claim 4, wherein the tonicity agent is selected from among sodium chloride, mannitol, sorbitol and mixtures thereof.